

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|------------------------------|------------------|---------|------------------|
| S1 | 1 | "20050010248" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/11 14:07 |
| S2 | 93 | lafontaine-d\$.in. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/11 14:40 |
| S3 | 89 | ("3438374" "0032208" "0034866" "0036370" "4002173" "4068655" "4140537" "4292972" "4365621" "4372314" "4390519" "4404970" "4405324" "4424208" "4509504" "4515637" "4543410" "4582640" "4597960" "4703108" "4744364" "4749689" "4852568" "4890612" "4979947" "5021059" "5061274" "5100429" "5108421" "5192300" "5192302" "5254105" "5290310" "5292309" "5292332" "5310407" "5320639" "5324306" "5330445" "5334216" "5376376" "5383891" "5383897" "5391183" "5431639" "5449375" "5456693" "5460621" "5486195" "5522840" "5540715" "5569297" "5591205" "5603698" "5624669" "5643318" "5643596" "5645849" "5690674" "5702413" "5728132" "5782860" "5782861" "5823198" "5868762" "5895412" "5906631" "5964782" "5984950" "6071300" "6071301" "6086607" "6162192" "6183496" "6183497" "6183498" "6200328" "6267761" "6270464" "6296657" "6299619" "6315753" "6350274" "6440151" "6447534" "6500152" "6500190" "6554851" "0000644").PN. | USPAT | OR | OFF | 2006/07/11 14:11 |
| S4 | 4 | ("5254105" "5320639" "5643318" "6162240").PN. | USPAT | OR | OFF | 2006/07/11 14:11 |
| S5 | 2 | ("5254133" "5383897").PN. | USPAT | OR | OFF | 2006/07/13 14:46 |
| S6 | 4 | "20020010150" "20020025921" "20020077657" "20030013989" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/11 14:11 |
| S7 | 53 | ("3908662" "5234447" "5364408" "5478353" "5776152" "5782861" "5817110").PN. OR ("5964782").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/11 14:28 |
| S8 | 7 | ("3908662" "5234447" "5364408" "5478353" "5776152" "5782861" "5817110").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/11 14:32 |

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|-----|-----|---|---|----|-----|------------------|
| S9 | 52 | S2 and clos\$4 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/11 14:53 |
| S10 | 4 | ("5383897" "5254133").pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/07/11 14:57 |
| S11 | 673 | (606/213).CCLS. | USPAT; USOCR | OR | OFF | 2007/01/25 10:07 |
| S12 | 35 | S11 and (collaps\$4 near3 (plug clos\$4)) | USPAT | OR | OFF | 2006/07/12 13:07 |
| S13 | 673 | (606/213).CCLS. | USPAT; USOCR | OR | OFF | 2006/07/12 10:27 |
| S14 | 1 | S13 and (collaps\$4 with hook) | USPAT | OR | OFF | 2006/07/12 10:16 |
| S15 | 4 | S13 and ((collaps\$4 flat\$5 cave) with hook) | USPAT | OR | OFF | 2006/07/12 10:17 |
| S16 | 37 | S13 and ((collaps\$4 flatten\$3) near3 (plug clos\$4)) | USPAT | OR | OFF | 2006/07/12 10:18 |
| S17 | 132 | S13 and hook | USPAT | OR | ON | 2006/07/12 10:22 |
| S18 | 89 | ("3438374" "0032208" "0034866" "0036370" "4002173" "4068655" "4140537" "4292972" "4365621" "4372314" "4390519" "4404970" "4405324" "4424208" "4509504" "4515637" "4543410" "4582640" "4597960" "4703108" "4744364" "4749689" "4852568" "4890612" "4979947" "5021059" "5061274" "5100429" "5108421" "5192300" "5192302" "5254105" "5290310" "5292309" "5292332" "5310407" "5320639" "5324306" "5330445" "5334216" "5376376" "5383891" "5383897" "5391183" "5431639" "5449375" "5456693" "5460621" "5486195" "5522840" "5540715" "5569297" "5591205" "5603698" "5624669" "5643318" "5643596" "5645849" "5690674" "5702413" "5728132" "5782860" "5782861" "5823198" "5868762" "5895412" "5906631" "5964782" "5984950" "6071300" "6071301" "6086607" "6162192" "6183496" "6183497" "6183498" "6200328" "6267761" "6270464" "6296657" "6299619" "6315753" "6350274" "6440151" "6447534" "6500152" "6500190" "6554851" "0000644").PN. | USPAT | OR | OFF | 2006/07/12 10:22 |
| S19 | 9 | S18 and hook | USPAT | OR | ON | 2006/07/12 10:26 |

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|-----|------|---|------------------------------|----|-----|------------------|
| S20 | 232 | (606/214).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/12 10:27 |
| S21 | 1018 | (606/213).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/12 13:04 |
| S22 | 800 | (606/148).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/12 13:05 |
| S23 | 45 | (606/149).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/12 13:05 |
| S24 | 1189 | (606/139).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/12 13:05 |
| S25 | 336 | (606/143).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/12 13:05 |
| S26 | 709 | (606/144).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/12 13:05 |
| S27 | 1478 | (606/151).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/12 13:05 |
| S28 | 504 | (606/157).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/12 13:05 |
| S29 | 449 | (606/158).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/12 13:05 |
| S30 | 143 | (606/193).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/12 13:05 |
| S31 | 35 | S21 and (collaps\$4 near3 (plug clos\$4)) | USPAT | OR | OFF | 2006/07/12 13:12 |
| S32 | 73 | S21 and (collaps\$4 near3 (plug clos\$4 seal\$3)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/12 13:32 |
| S33 | 8 | S22 and (collaps\$4 near3 (plug clos\$4 seal\$3)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/12 13:36 |
| S34 | 4 | S23 and (collaps\$4 near3 (plug clos\$4 seal\$3)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/12 13:36 |
| S35 | 26 | S24 and (collaps\$4 near3 (plug clos\$4 seal\$3)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/12 13:43 |

EAST Search History

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|-----|------|--|------------------------------|----|-----|------------------|
| S36 | 12 | S25 and (collaps\$4 near3 (plug clos\$4 seal\$3)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/12 13:43 |
| S37 | 42 | S27 and (collaps\$4 near3 (plug clos\$4 seal\$3)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/12 13:49 |
| S38 | 21 | S28 and (collaps\$4 near3 (plug clos\$4 seal\$3)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/12 13:52 |
| S39 | 12 | S29 and (collaps\$4 near3 (plug clos\$4 seal\$3)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/12 13:53 |
| S41 | 1 | "6334865".pn. | USPAT | OR | OFF | 2006/07/12 13:56 |
| S42 | 1 | "5383897".pn. | USPAT | OR | OFF | 2006/07/12 14:37 |
| S43 | 12 | (US-20050010248-\$ or US-20020026215-\$).did. or (US-5964782-\$ or US-6623508-\$ or US-6261309-\$ or US-6183496-\$ or US-6077291-\$ or US-4900303-\$ or US-5431639-\$ or US-6699262-\$ or US-6334865-\$ or US-5383897-\$). did. | US-PGPUB; USPAT | OR | OFF | 2006/07/12 16:04 |
| S44 | 9 | S43 and (bioabsorbable biodegradable biocompatible bioresorbable) | USPAT | OR | OFF | 2006/07/12 14:49 |
| S45 | 1 | "5192302".pn. | USPAT | OR | OFF | 2006/07/12 16:04 |
| S46 | 56 | ("3221746" "3266113" "3276448" "3874388" "3981051" "4169303" "4214587" "4259959" "4593693" "4617932" "4665917" "4744364" "4917087" "4920235" "4997439" "5047047" "5171253" "5234448" "5254127").PN. OR ("5383897").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/12 17:18 |
| S47 | 12 | S46 and (collaps\$5 flatten\$3) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/12 17:18 |
| S48 | 1018 | (606/213).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/12 18:26 |
| S49 | 7 | S48 and (cone near2 plug) | USPAT | OR | OFF | 2006/07/14 13:45 |
| S51 | 1019 | (606/213).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/13 09:37 |
| S52 | 7 | S51 and (cone near2 (plug collaps\$4)) | USPAT | OR | OFF | 2006/07/14 13:42 |

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|-----|------|---|------------------------------|----|-----|------------------|
| S53 | 3 | S51 and (cone with (collaps\$4)) | USPAT | OR | OFF | 2006/07/14 13:10 |
| S54 | 89 | ("3438374" "0032208" "0034866" "0036370" "4002173" "4068655" "4140537" "4292972" "4365621" "4372314" "4390519" "4404970" "4405324" "4424208" "4509504" "4515637" "4543410" "4582640" "4597960" "4703108" "4744364" "4749689" "4852568" "4890612" "4979947" "5021059" "5061274" "5100429" "5108421" "5192300" "5192302" "5254105" "5290310" "5292309" "5292332" "5310407" "5320639" "5324306" "5330445" "5334216" "5376376" "5383891" "5383897" "5391183" "5431639" "5449375" "5456693" "5460621" "5486195" "5522840" "5540715" "5569297" "5591205" "5603698" "5624669" "5643318" "5643596" "5645849" "5690674" "5702413" "5728132" "5782860" "5782861" "5823198" "5868762" "5895412" "5906631" "5964782" "5984950" "6071300" "6071301" "6086607" "6162192" "6183496" "6183497" "6183498" "6200328" "6267761" "6270464" "6296657" "6299619" "6315753" "6350274" "6440151" "6447534" "6500152" "6500190" "6554851" "0000644").PN. | USPAT | OR | OFF | 2006/07/13 09:44 |
| S55 | 5 | S54 and actuator | USPAT | OR | OFF | 2006/07/13 09:45 |
| S56 | 34 | S54 and (detach\$4 removabl\$ disconnect\$3 frangible) | USPAT | OR | OFF | 2006/07/13 09:50 |
| S57 | 17 | S54 and actuat\$3 | USPAT | OR | OFF | 2006/07/13 09:47 |
| S59 | 18 | ("4744364" "4890612" "5108421" "5221259" "5330446" "5370660" "5383896" "5413571" "5419765" "5486195" "5591205" "5626601" "5653730" "5728132" "5752974" "5855559" "6045570" "6193670").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/13 14:17 |
| S60 | 72 | harrison-k\$.in. | USPAT | OR | OFF | 2006/07/13 16:28 |
| S63 | 1019 | (606/213).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/14 13:36 |
| S64 | 8 | S63 and (cone near2 (plug seal clos\$5 collaps\$4)) | USPAT | OR | OFF | 2006/07/14 13:38 |
| S65 | 14 | S63 and ((cone conical) near2 (plug seal clos\$5 collaps\$4)) | USPAT | OR | OFF | 2006/07/14 13:40 |

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|-----|------|---|------------------------------|----|-----|------------------|
| S68 | 14 | S63 and ((cone conical) near2 (plug seal clos\$4)) | USPAT | OR | OFF | 2006/07/14 13:43 |
| S69 | 5 | S68 and collaps\$4 | USPAT | OR | OFF | 2006/07/14 13:43 |
| S70 | 1019 | (606/213).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/14 13:46 |
| S71 | 14 | S70 and ((cone conical) near2 (plug seal clos\$4)) | USPAT | OR | OFF | 2006/07/14 13:51 |
| S72 | 5 | ("5192301" "5454833" "5522822" "5626599" "5634936").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/14 13:47 |
| S75 | 800 | (606/148).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/14 13:51 |
| S76 | 6 | S75 and ((cone conical) near2 (plug seal clos\$4)) | USPAT | OR | OFF | 2006/07/14 13:52 |
| S77 | 1191 | (606/139).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/14 13:51 |
| S78 | 4 | S77 and ((cone conical) near2 (plug seal clos\$4)) | USPAT | OR | OFF | 2006/07/14 13:51 |
| S79 | 6 | S75 and (collaps\$4 near2 (plug seal clos\$4)) | USPAT | OR | OFF | 2006/07/14 13:52 |
| S80 | 33 | S70 and (collaps\$4 near2 (plug seal clos\$4)) | USPAT | OR | OFF | 2006/07/14 13:52 |
| S81 | 8 | S80 and (cone conical) | USPAT | OR | OFF | 2006/07/14 13:53 |
| S82 | 970 | (cone conical) near2 collaps\$4 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/17 09:03 |
| S83 | 144 | ((cone conical) near2 (shape shaped)) near2 collaps\$4 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/17 09:11 |
| S84 | 431 | ((cone conical) near2 (shape shaped)) near2 (collaps\$4 flatten\$2) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/17 09:24 |
| S85 | 74 | (collaps\$4 flatten\$2) near2 strainer | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/17 09:12 |

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|-----|-------|---|------------------------------|----|-----|------------------|
| S86 | 89 | ("3438374" "0032208" "0034866" "0036370" "4002173" "4068655" "4140537" "4292972" "4365621" "4372314" "4390519" "4404970" "4405324" "4424208" "4509504" "4515637" "4543410" "4582640" "4597960" "4703108" "4744364" "4749689" "4852568" "4890612" "4979947" "5021059" "5061274" "5100429" "5108421" "5192300" "5192302" "5254105" "5290310" "5292309" "5292332" "5310407" "5320639" "5324306" "5330445" "5334216" "5376376" "5383891" "5383897" "5391183" "5431639" "5449375" "5456693" "5460621" "5486195" "5522840" "5540715" "5569297" "5591205" "5603698" "5624669" "5643318" "5643596" "5645849" "5690674" "5702413" "5728132" "5782860" "5782861" "5823198" "5868762" "5895412" "5906631" "5964782" "5984950" "6071300" "6071301" "6086607" "6162192" "6183496" "6183497" "6183498" "6200328" "6267761" "6270464" "6296657" "6299619" "6315753" "6350274" "6440151" "6447534" "6500152" "6500190" "6554851" "0000644").PN. | USPAT | OR | OFF | 2006/07/17 09:22 |
| S87 | 20 | S86 and (collaps\$4 flatten\$2) | USPAT | OR | OFF | 2006/07/17 09:22 |
| S88 | 3 | S87 and (cone conical) | USPAT | OR | OFF | 2006/07/17 09:28 |
| S90 | 78 | ((cone conical) near2 (collaps\$4 flatten\$2)) with (disk disc circle) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/17 09:37 |
| S91 | 13 | S86 and (cone conical) | USPAT | OR | OFF | 2006/07/17 09:32 |
| S92 | 53615 | "606"/\$.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/17 09:32 |
| S93 | 105 | S92 and (cone conical) near2 (collaps\$4 flatten\$2) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/17 09:33 |
| S94 | 9 | ((cone conical) near2 (collaps\$4 flatten\$2)) with (bellows) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/17 09:37 |
| S95 | 695 | (606/213).CCLS. | USPAT; USOCR | OR | OFF | 2007/01/25 10:07 |
| S96 | 22 | S95 and @pd>"20060717" | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/25 10:19 |

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|------|------|-------------------------|------------------------------|----|-----|------------------|
| S97 | 238 | (606/214).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/25 10:19 |
| S98 | 6 | S97 and @pd>"20060717" | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/25 10:21 |
| S99 | 844 | (606/148).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/25 10:21 |
| S100 | 44 | S99 and @pd>"20060717" | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/25 10:22 |
| S101 | 45 | (606/149).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/25 10:22 |
| S102 | 0 | S101 and @pd>"20060717" | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/25 10:22 |
| S103 | 1249 | (606/139).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/25 10:22 |
| S104 | 58 | S103 and @pd>"20060717" | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/25 10:23 |
| S105 | 342 | (606/143).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/25 10:23 |
| S106 | 6 | S105 and @pd>"20060717" | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/25 10:24 |
| S107 | 755 | (606/144).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/25 10:24 |
| S108 | 46 | S107 and @pd>"20060717" | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/25 10:25 |
| S109 | 46 | S107 and @pd>"20060717" | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/25 10:25 |
| S110 | 1555 | (606/151).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/25 10:25 |
| S111 | 75 | S110 and @pd>"20060717" | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/25 10:25 |

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|----------|-------|---|------------------------------|----|-----|------------------|
| S11 2 | 528 | (606/157).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/25 10:25 |
| S11 3 | 24 | S112 and @pd>"20060717" | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/25 10:26 |
| S11 4 | 460 | (606/158).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/25 10:26 |
| S11 5 | 11 | S114 and @pd>"20060717" | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/25 10:27 |
| S11 6 | 150 | (606/193).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/25 10:27 |
| S11 7 | 7 | S116 and @pd>"20060717" | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/25 10:30 |
| S11 8 | 45844 | (cone conical cone\$shape\$ conic funnel\$shape\$ conoid\$2 pyramid\$2 pyramid\$shape\$ taper\$3) with back\$3 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/25 10:41 |
| S11 9 | 13 | ((cone conical cone\$shape\$ conic funnel\$shape\$ conoid\$2 pyramid\$2 pyramid\$shape\$ taper\$3) with back\$3) same (collaps\$4 with proximal\$2) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/25 10:50 |
| S12 0 | 82 | ((cone conical cone\$shape\$ conic funnel\$shape\$ conoid\$2 pyramid\$2 pyramid\$shape\$ taper\$3) with back\$3) same (collaps\$4 with (disk disc disk\$shape\$ disc\$shape\$ flatten\$3 flat)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/28 16:32 |
| S12 1 | 4921 | (collaps\$4 flatten\$3) with proximal\$2 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/28 16:34 |
| S12 2 | 695 | (606/213).CCLS. | USPAT; USOCR | OR | OFF | 2007/01/28 16:33 |
| S12 3 | 63 | S121 and S122 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/28 16:33 |
| S12 4 | 1451 | (collaps\$4 flatten\$3) near3 proximal\$2 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/28 16:34 |
| S12 5 | 728 | S124 and "606"/\$.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/28 17:14 |

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|----------|-----|-----------------|------------------------------|----|-----|------------------|
| S12 6 | 24 | S122 and S124 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/28 16:35 |
| S12 7 | 844 | (606/148).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/28 17:14 |
| S12 8 | 14 | S124 and S127 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/28 17:14 |